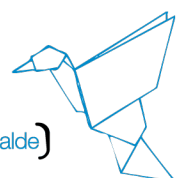


## Postdoctoral Fellow on Deep Learning for Structural Health Monitoring – IA4TES

Job Offer	
Topics:	Deep Learning, Structural Health Monitoring, Inverse Problems
PI in charge:	David Pardo, Vincenzo Nava
Salary and conditions:	<p><b>The gross annual salary of the Fellowship will be 28.00 - 34.000€ according to experience.</b></p> <p>It will then be on your own responsibility to make your yearly income declaration at the Bizkaia Treasury Agency.</p> <p>Additionally, we offer a moving allowance up to 2.000€.</p> <p>Should the researcher have a family at the time of recruitment:</p> <ol style="list-style-type: none"> <li>2.000€ gross in a single payment will be offered (you must be married-official register or with children and the certificate to prove it must be sent).</li> <li>1.200€ gross per year/per child (up to 2 children) will be offered (the certificate to prove it must be sent).</li> </ol> <p><i>Free access to the Public Health System in Spain is provided to all employees.</i></p>
Contract and offer:	12+10 months contract
Deadline:	<b>October 27<sup>th</sup> 2022 14:00 CET (UTC+1)</b>
How to apply:	Applications must be submitted on-line at: <a href="http://www.bcamath.org/en/research/job">http://www.bcamath.org/en/research/job</a>

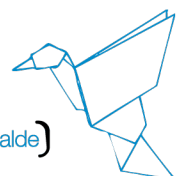
Scientific Profile Requested	
Requirements:	<ul style="list-style-type: none"> <li>Applicants must have their Ph.D. completed or defended in an area of sciences before the contract starts.</li> </ul>
Skills and track-record:	<ul style="list-style-type: none"> <li>Good interpersonal skills.</li> <li>Fluency in spoken and written English.</li> </ul>



	<ul style="list-style-type: none"> <li>• A proven track record in quality research, as evidenced by research publications in top scientific journals and conferences.</li> <li>• Demonstrated ability to work independently and as part of a collaborative research team.</li> <li>• Ability to present and publish research outcomes in spoken (talks) and written (papers) form.</li> <li>• Ability to effectively communicate and present research ideas to researchers and stakeholders with different backgrounds, including industrial partners.</li> <li>• Project proposal writing skills.</li> </ul>
Scientific Profile:	<p>The preferred candidate will have:</p> <ul style="list-style-type: none"> <li>• Strong background in Deep Learning techniques for Structural Health Monitoring.</li> <li>• Understanding on the existing works on using Deep Learning techniques for Structural Health Monitoring.</li> <li>• Background in Inverse Problems.</li> <li>• Good programming skills in Python and preferably, also Tensorflow.</li> <li>• Interest and disposition to work in interdisciplinary groups.</li> </ul>

### Application and Selection Process

Formal Requirements:	<p>The selected candidate must have applied before the application deadline online at the webpage <a href="http://www.bcamath.org/en/research/job">http://www.bcamath.org/en/research/job</a></p> <p>The candidates that do not fulfill the mandatory requirements will not be evaluated with respect to their scientific profile. Additional documents could be requested during the evaluation process so as to check this fulfilment.</p>
Application:	<p>Required documents:</p> <ul style="list-style-type: none"> <li>▪ CV</li> <li>▪ Letter of interest</li> <li>▪ 2 recommendation letters</li> <li>▪ Statement of past and proposed future research (2-3 pages)</li> </ul>
Evaluation:	<p>Based on the provided application documents of each candidate, the evaluation committee will evaluate qualitatively: the adaption of the previous training and career to the profile offered, the recommendation letters, the main results achieved (papers, proceedings, etc.), the</p>



	statement of past and proposed future research and other merits; taking in account the alignment of these items to the topic offered.
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<b>Incorporation:</b>	December 2022 or as early as possible after that date.
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GOBIERNO  
DE ESPAÑA

MINISTERIO  
DE ASUNTOS ECONÓMICOS  
Y TRANSFORMACIÓN DIGITAL

SECRETARÍA DE ESTADO  
DE DIGITALIZACIÓN  
E INTELIGENCIA ARTIFICIAL



**Plan de Recuperación,  
Transformación  
y Resiliencia**

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